

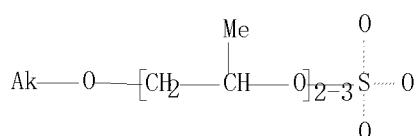
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(FILE 'HOME' ENTERED AT 11:30:35 ON 29 MAY 2009)

FILE 'REGISTRY' ENTERED AT 11:30:57 ON 29 MAY 2009

L1 STRUCTURE uploaded
 L2 0 S L1
 L3 27 S L1 FULL

=> d que 13 stat
 L1 STR



Structure attributes must be viewed using STN Express query preparation.
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100.0% PROCESSED 3037 ITERATIONS 27 ANSWERS
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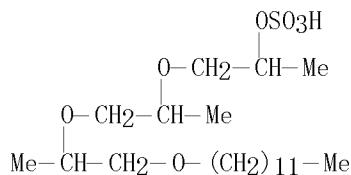
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 (ED<20050210)
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 L5 15 L3 AND CAPLUS/LC

=> s 13 not 15
 L6 12 L3 NOT L5

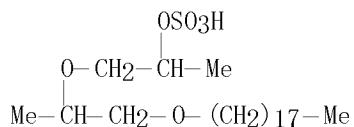
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L6 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 779997-03-4 REGISTRY
ED Entered STN: 12 Nov 2004
CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
hydrogen sulfate (9CI)
MF C21 H44 O7 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 759394-50-8 REGISTRY
ED Entered STN: 08 Oct 2004
CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, hydrogen sulfate (9CI)
MF C24 H50 O6 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN

RN 755744-29-7 REGISTRY

ED Entered STN: 01 Oct 2004

CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)

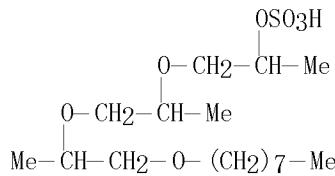
OTHER CA INDEX NAMES:

CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, hydrogen
sulfate (9CI)

MF C17 H36 O7 S

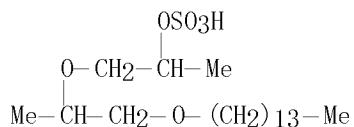
CI COM

SR CA



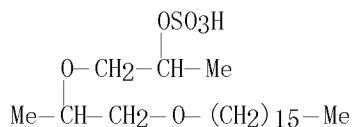
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 752920-41-5 REGISTRY
ED Entered STN: 27 Sep 2004
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, hydrogen sulfate (9CI)
MF C20 H42 O6 S
CI COM
SR CA



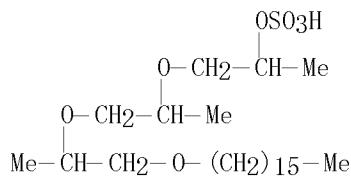
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 744953-09-1 REGISTRY
ED Entered STN: 15 Sep 2004
CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
MF C22 H46 06 S
CI COM
SR CA



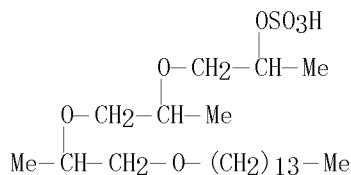
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 740762-57-6 REGISTRY
ED Entered STN: 06 Sep 2004
CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
hydrogen sulfate (9CI)
MF C25 H52 O7 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 739356-91-3 REGISTRY
ED Entered STN: 05 Sep 2004
CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-,
hydrogen sulfate (9CI)
MF C23 H48 O7 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN

RN 738572-18-4 REGISTRY

ED Entered STN: 03 Sep 2004

CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)

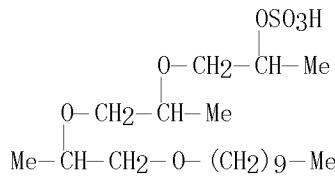
OTHER CA INDEX NAMES:

CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-, hydrogen
sulfate (9CI)

MF C19 H40 O7 S

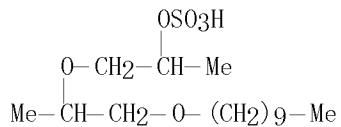
CI COM

SR CA



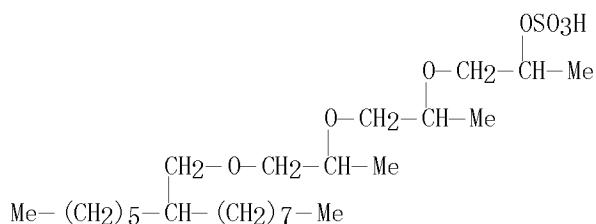
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 732237-91-1 REGISTRY
ED Entered STN: 25 Aug 2004
CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
MF C16 H34 O6 S
CI COM
SR CA



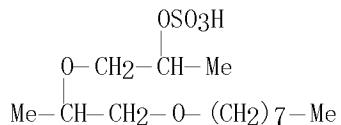
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 727645-63-8 REGISTRY
ED Entered STN: 16 Aug 2004
CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
hydrogen sulfate (9CI)
MF C25 H52 O7 S
CI COM
SR CA



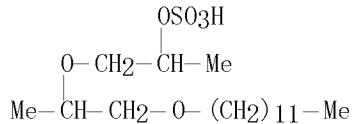
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 713487-85-5 REGISTRY
ED Entered STN: 20 Jul 2004
CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, 2-(hydrogen sulfate) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, hydrogen sulfate (9CI)
MF C14 H30 O6 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2009 ACS on STN
RN 697215-17-1 REGISTRY
ED Entered STN: 21 Jun 2004
CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, hydrogen sulfate (9CI)
MF C18 H38 O6 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FILE 'CAPLUS' ENTERED AT 11:34:31 ON 29 MAY 2009
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FILE LAST UPDATED: 28 May 2009 (20090528/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

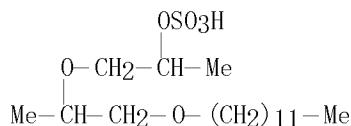
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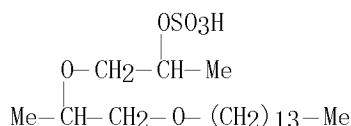
=> s 13
L7 7 L3
=> d 1-7 bib abs hitstr

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2001:364948 CAPLUS
 DN 135:124134
 TI New developments in structure-CMC relationships for anionic surfactants
 AU Roberts, D. W.
 CS Unilever Research Port Sunlight Laboratory, UK
 SO Comunicaciones presentadas a la Jornadas del Comite Espanol de la
 Detergencia (2001), 31, 97-110
 CODEN: CJCDD7; ISSN: 0212-7466
 PB Comite Espanol de la Detergencia, Tensioactivos y Afines
 DT Journal
 LA English
 AB On an earlier occasion we discussed a QSPR (Quant. Structure-Property
 Relationship) based on log P fragment values, for CMC of anionic
 surfactants. Since then we have continued to refine the log P calcn.
 method as applied to surfactants, using aquatic toxicity correlations. In
 light of these developments, we have updated the QSPR approach and applied
 it to further CMC data on ether sulfates of general formula
 $R_1(OCH_2CHR_2)_nOSO_3Na$ and ester sulfonates of general formula
 $R_1CH(CO_2R_2)SO_3Na$. The QSPR correlations provide insights into the role of
 the ether and ester functions in micellization.
 IT 14858-46-9 14858-51-6 14858-57-2
 100900-05-8 104729-08-0 350047-52-8
 350047-53-9 350047-55-1 350047-56-2
 350047-57-3
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)
 (structure-CMC relationships for anionic surfactants)
 RN 14858-46-9 CAPLUS
 CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



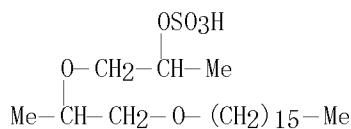
● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



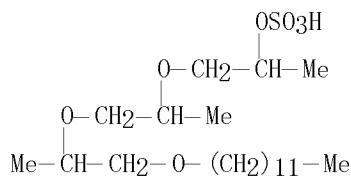
● Na

RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate),
 sodium salt (1:1) (CA INDEX NAME)



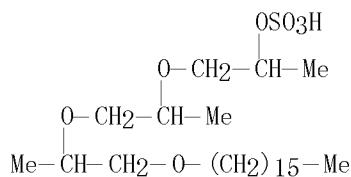
● Na

RN 100900-05-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



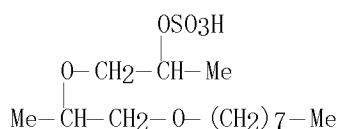
● Na

RN 104729-08-0 CAPLUS
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



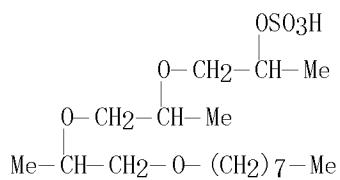
● Na

RN 350047-52-8 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(octyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium
 salt (1:1) (CA INDEX NAME)



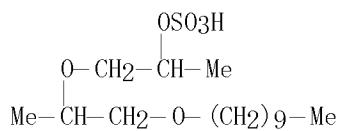
● Na

RN 350047-53-9 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-,
 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



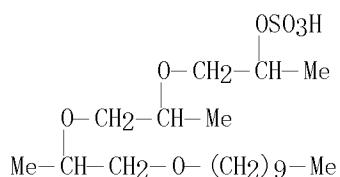
● Na

RN 350047-55-1 CAPLUS
CN 2-Propanol, 1-[2-(decyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



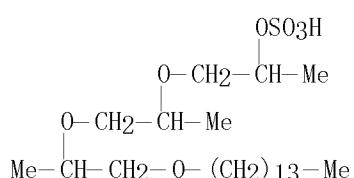
● Na

RN 350047-56-2 CAPLUS
CN 2-Propanol, 1-[2-[2-(decyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

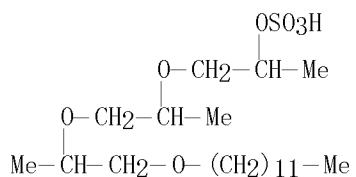
RN 350047-57-3 CAPLUS
CN 2-Propanol, 1-[1-methyl-2-[1-methyl-2-(tetradecyloxy)ethoxy]ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

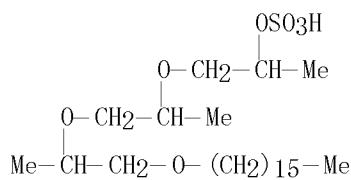
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1986:559281 CAPLUS
 DN 105:159281
 OREF 105:25581a, 25584a
 TI Principles for the attainment of minimum oil-water interfacial tension by surfactants: the characteristics of organized surfactant phase
 AU Shinoda, Kozo; Shibata, Yutaka
 CS Fac. Eng., Yokohama Natl. Univ., Yokohama, 240, Japan
 SO Colloids and Surfaces (1986), 19(2-3), 185-96
 CODEN: COSUD3; ISSN: 0166-6622
 DT Journal
 LA English
 AB Ionic surfactants, whose hydrophile-lipophile properties are nearly balanced and which are soluble in hard water, were prepared. The phase behavior of such surfactants changed from water soluble to oil soluble with increasing salt concentration. At the salt concentration at which the HLB of an ionic surfactant balances for a given oil, a surfactant phase was observed. The weight of surfactant necessary to completely dissolve equal amounts of water and oil is a direct index of the solvent power of the surfactant: 1.54 weight% of R₈CH(R₆)CH₂SO₄Na dissolved 49.2% of water and 49.2% of hexane, representing about 32 times as much water and hexane as surfactant. The decane-water interfacial tension was at a min. when the HLB of the surfactant just balanced for the given aqueous solution. R₁₂[OCH₂CH(CH₃)]₃-SO₄Na(Ca1/2), iso-R₁₆[OCH₂CH(CH₃)]₃-SO₄Na(Ca1/2) and n-R₁₆[OCH₂CH(CH₃)]₃-SO₄Na(Ca1/2) are all soluble in hard water and their hydrophile-lipophile properties are balanced at resp. salt concns., and the brine-decane interfacial tensions are all <0.0001 mN m⁻¹. The Na:Ca ratio is close to the uni:di-valent cation ratio of sea water. These results can be understood as being characteristic of an organized surfactant phase, i.e., (1) a large solvent power towards water and oil, and (2) an ability to depress oil-water interfacial tension, due to the orientation, aggregation and structure formation of surfactant mols.
 IT 100900-05-8 104729-05-7 104729-06-8
 104729-07-9 104729-08-0 104729-09-1
 RL: PRP (Properties)
 (interfacial tension of oil-water system containing)
 RN 100900-05-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



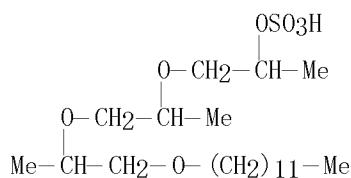
● Na

RN 104729-05-7 CAPLUS
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



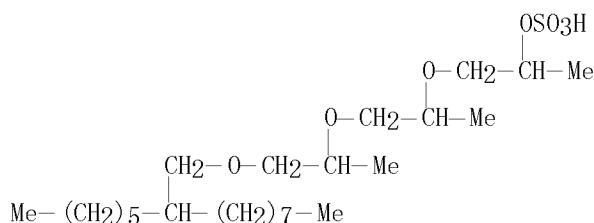
●1/2 Ca

RN 104729-06-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



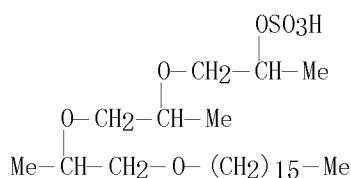
●1/2 Ca

RN 104729-07-9 CAPLUS
 CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), calcium salt (2:1) (CA INDEX NAME)



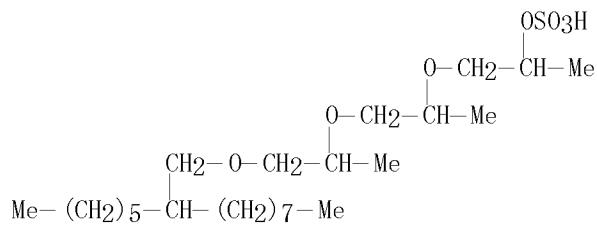
●1/2 Ca

RN 104729-08-0 CAPLUS
 CN 2-Propanol, 1-[2-[2-(hexadecyloxy)-1-methylethoxy]-1-methylethoxy]-,
 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



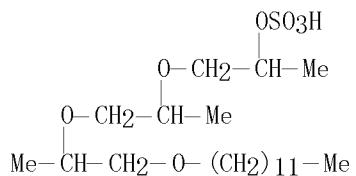
● Na

RN 104729-09-1 CAPLUS
CN 2-Propanol, 1-[2-[2-[(2-hexyldecyl)oxy]-1-methylethoxy]-1-methylethoxy]-,
2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1986:136496 CAPLUS
 DN 104:136496
 OREF 104:21465a, 21468a
 TI Ionic surfactants soluble in hard water and in hydrocarbons: behavior of organized surfactant solutions as a function of the hydrophilic-lipophilic balance
 AU Shinoda, Kozo; Maekawa, Masaki; Shibata, Yutaka
 CS Fac. Eng., Yokohama Natl. Univ., Yokohama, 240, Japan
 SO Journal of Physical Chemistry (1986), 90(7), 1228-30
 CODEN: JPCHAX; ISSN: 0022-3654
 DT Journal
 LA English
 AB The Krafft points and critical micelle concns. of the Ca, Mg, and Na salts of alkyloxypropylene sulfates $C_nH_{2n+1}OCH_2CH(CH_3)SO_4M1/z$ ($n = 12-16$, M = Ca, Mg, and Na) were determined. The Krafft points were effectively depressed by the introduction of an oxypropylene group between hydrocarbon chain and the ionic group. The Krafft point and the cmc of $C_{16}H_{33}OCH_2CH(CH_3)SO_4Mg1/2$ were 28° and 0.031 mmol/L. The cmc value is 1/260th that of $C_{12}H_{25}SO_4Na$, i.e., it is 260 times more adsorbable. The other striking feature of this type of surfactant, $R_n[OCH_2CH(CH_3)]_3SO_4M1/z$, is its dissoln. in oil as well as in hard water. The surfactants are water soluble at low salt concns. and oil soluble at high salt concns.
 IT 100900-05-8
 RL: PRP (Properties)
 (critical micelle concentration and Krafft point of)
 RN 100900-05-8 CAPLUS
 CN 2-Propanol, 1-[2-[2-(dodecyloxy)-1-methylethoxy]-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

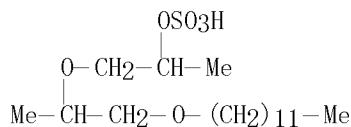
L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1975:462423 CAPLUS
 DN 83:62423
 OREF 83:9861a, 9864a
 TI Long chain ether alcohol sulfates from propylene oxide and 1,2-butylene oxide
 IN Weil, James K.; Stirton, Alexander J.
 PA United States Dept. of Agriculture
 SO U.S., 7 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3843706	A	19741022	US 1971-203867	19711201
PRAI	US 1966-557375	A3	19660614		
	US 1969-844699	A3	19690523		

AB The biodegradable detergents R[OCH₂CH(R')]_nOSO₃Na, where R = C₁₂-C₁₈ n-alkyl, R' = Me or Et, and n = 1-4, were prepared and their surface-active properties were determined. Thus, 81.8 g 1,2-butylene oxide [106-88-7] was added to 271 g 1-octadecanol [112-92-5] at 182-8° with alkaline catalysis, and the reaction mixture was distilled to sep. C₁₈H₃₇(OCH₂CHEt)2OH [14858-36-7] which was dissolved in CCl₄ and treated with ClSO₃H and aqueous NaOH to prepare Na 1,4-diethyl-3,6-dioxa-1-tetracosyl sulfate [14858-66-3].

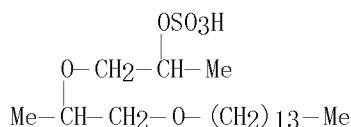
IT 14858-46-9 14858-51-6 14858-57-2
 14858-64-1
 RL: USES (Uses)
 (detergents, biodegradable)

RN 14858-46-9 CAPLUS
 CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



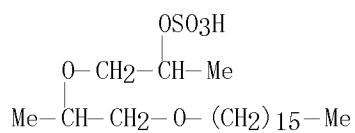
● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



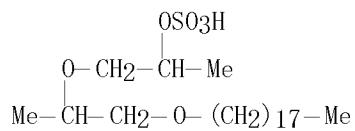
● Na

RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



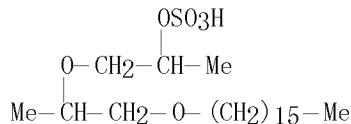
● Na

RN 14858-64-1 CAPLUS
CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate),
sodium salt (1:1) (CA INDEX NAME)



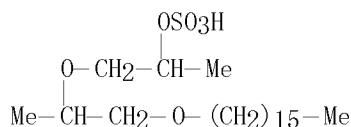
● Na

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1973:468084 CAPLUS
 DN 79:68084
 OREF 79:10995a, 10998a
 TI Systematic study of the variables involved in the reverse-phase thin-layer chromatography of oxyethylated alkyl sulfate surfactants
 AU Breyer, Arthur C.; Fischl, Marsha; Seltzer, E. Jane
 CS Beaver Coll., Glenside, PA, USA
 SO Journal of Chromatography (1973), 82(1), 37-52
 CODEN: JOCRAM; ISSN: 0021-9673
 DT Journal
 LA English
 AB Optimization of title chromatog. for title surfactants showed the best sepn. can be obtained with glass plates covered with a 250 μm layer of Alumina H, Alumina G, or Silica Gel G impregnated with a 3-5 volume % n-dodecanol-EtOH solution at 15-30. deg. using tanks pre-equilibrated and developed with a 3:2 MeOH-NH4OH solution. The most satisfactory spot detection was obtained by using a 0.05% aqueous pinacrylate yellow with a UV viewing chamber. Sample sizes of 0.5-2.0 μl containing 5-20 μg surfactant gave most satisfactory results.
 IT 14858-57-2
 RL: ANT (Analyte); ANST (Analytical study)
 (thin-layer chromatog. of)
 RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



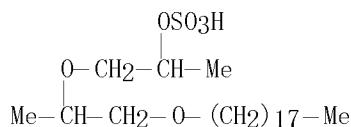
● Na

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1971:14392 CAPLUS
 DN 74:14392
 OREF 74:2315a, 2318a
 TI Synthesis and surface active properties of long-chain ether alcohol sulfates R(OCH₂CHR')_iOSO₃Na
 AU Weil, James K.; Stirton, Alexander J.; Wrigley, A. N.
 CS East. Reg. Res. Lab., U. S. Dep. Agric., Philadelphia, PA, USA
 SO Chim. Phys. Appl. Prat. Ag. Surface, C. R. Congr. Int. Deterg., 5th (1969), Meeting Date 1968, Volume 1, 45-50 Publisher: Ediciones Unidas, S. A., Barcelona, Spain.
 CODEN: 22LKAT
 DT Conference
 LA English
 AB Purified ether alc. sulfates were prepared by the sulfation of the separated reaction products of ethylene, propylene and 1,2-butylene oxides with 12, 14, 16 and 18 C normal primary alcs. The effect of structure on critical micelle concentration, Krafft point, surface tension and lime soap dispersing power was investigated. The effect of oxyalkyl groups in reducing critical micelle concentration and increasing Krafft point was expressed in terms of an equivalent number of methylene groups.
 IT 14858-57-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



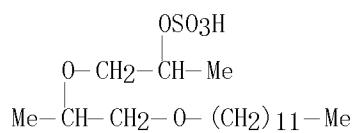
● Na

IT 14858-64-1
 RL: USES (Uses)
 (surface-active properties of)
 RN 14858-64-1 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



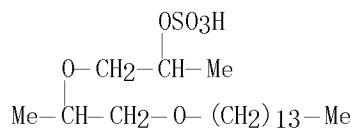
● Na

IT 14858-46-9 14858-51-6
 RL: PRP (Properties)
 (surface-active properties of)
 RN 14858-46-9 CAPLUS
 CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



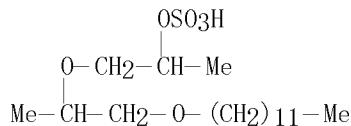
● Na

RN 14858-51-6 CAPLUS
CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate),
sodium salt (1:1) (CA INDEX NAME)



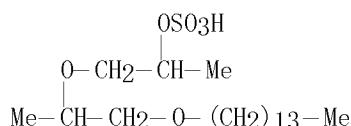
● Na

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1967:57023 CAPLUS
 DN 66:57023
 OREF 66:10791a, 10794a
 TI Ether alcohol sulfates. Effect of oxypropylation and oxybutylation on surface-active properties
 AU Weil, James K.; Stirton, Alexander J.; Nunez-Ponzoa, M. V.
 CS Eastern Regional Res. Lab., Philadelphia, PA, USA
 SO Journal of the American Oil Chemists' Society (1966), 43(11), 603-6
 CODEN: JAOCAT; ISSN: 0003-021X
 DT Journal
 LA English
 AB The reaction products of 1,2-butylene oxide (I) with C12-18 alcs. were compared with those from the propylene oxide (II) reaction. A 60% yield of the 1st derivative was obtained for the I reaction, compared with a maximum yield of 50% for the II reaction. First and 2nd derivs. were fractionally distilled from the reaction mixts. and characterized as pure ether alcs. and their acetates. Sulfates of the pure ether alcs. had slightly greater solubility than those of II, and both reactions were more effective than oxyethylation. Dioxyalkylated products had lower Krafft points than monoxyalkylated products. A low degree of oxyalkylation had only minor effects on the detergency of alc. sulfates, but polyoxybutylation caused significant redns. in foam height for the C16-18 alc. sulfates. Critical micelle concentration was reduced both by an increasing degree of oxyalkylation and mol. weight of epoxide. All of the ether alc. sulfates were effective limesoap dispersing agents. 11 references.
 IT 14858-46-9, 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, hydrogen sulfate sodium salt 14858-51-6, 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, hydrogen sulfate sodium salt 14858-57-2, 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, hydrogen sulfate sodium salt 14858-64-1
 RL: USES (Uses)
 (surface-active)
 RN 14858-46-9 CAPLUS
 CN 2-Propanol, 1-[2-(dodecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



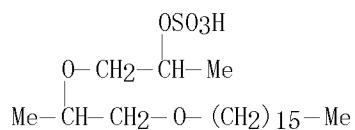
● Na

RN 14858-51-6 CAPLUS
 CN 2-Propanol, 1-[1-methyl-2-(tetradecyloxy)ethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



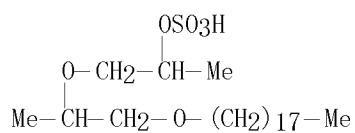
● Na

RN 14858-57-2 CAPLUS
 CN 2-Propanol, 1-[2-(hexadecyloxy)-1-methylethoxy]-, 2-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)



● Na

RN 14858-64-1 CAPLUS
CN 2-Propanol, 1-[1-methyl-2-(octadecyloxy)ethoxy]-, 2-(hydrogen sulfate),
sodium salt (1:1) (CA INDEX NAME)



● Na

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L*** DEL	0 S L1
L3	27 SEA SSS FUL L1
	D QUE L3 STAT
L4	27 SEA ABB=ON PLU=ON L3 AND ED<2/10/2005
L5	15 SEA ABB=ON PLU=ON L3 AND CAPLUS/LC
L6	12 SEA ABB=ON PLU=ON L3 NOT L5
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